

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/000762

A. CLASSIFICATION OF SUBJECT MATTER
Int. Cl.⁷ H04B1/40

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int. Cl.⁷ H04B1/40Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005
Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| A | JP 2002-246809 A (Sanyo Electric Co., Ltd.), 30 August, 2002 (30.08.02), Par. No. [0002]; Fig. 6 & WO 02-067359 A1 | 1-5 |
| A | JP 2003-92539 A (NGK Spark Plug Co., Ltd.), 28 March, 2003 (28.03.03), Fig. 3 (Family: none) | 1-5 |
| A | JP 2001-345736 A (Hitachi, Ltd.), 14 December, 2001 (14.12.01), Par. No. [0021]; Fig. 6 (Family: none) | 1-5 |

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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|---|--|
| * Special categories of cited documents: | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
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Date of the actual completion of the international search
19 April, 2005 (19.04.05)Date of mailing of the international search report
17 May, 2005 (17.05.05)Name and mailing address of the ISA/
Japanese Patent Office

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PCT/JP2005/000762

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| A | JP 11-312987 A (Kabushiki Kaisha Tamura Seisakusho), 09 November, 1999 (09.11.99), Par. No. [0014]; Fig. 1 & US 006069538 A1 & EP 000920128 A2 | 1-5 |
| A | JP 2002-271104 A (TDK Corp.), 20 September, 2002 (20.09.02), Par. Nos. [0004] to [0007]; Fig. 12 (Family: none) | 1-5 |